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RANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 ATTORNEY'S DOCKET NUMBER

NREL 98-34CIP

U S APPLICATION NO (If known, see 37 CFR 1 5

10/088760

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE 21 JANUARY 2000

21 JANUARY 2000

TITLE OF INVENTION

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APPLICANT(S) FOR DO/EO/US Douglas L. Schulz et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected by the expiration of 19 months from the priority date (Article 3 1). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. 🔯 An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 13. A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 14. 15. A substitute specification. 16. A change of power of attorney and/or address letter. A computer-readable form of the sequence listing in accordance with PCT Rule l3ter.2 and 35 U.S.C. 1.821 - 1.825. 17. A second copy of the published international application under 35 U.S.C. 154(d)(4). 18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 19. 20. 🔀 Other items or information:

Post Card Receipt

U.S. APPLICATION OF KIND	r83760	INTERNATIONAL APPLICATION NO PCT/US01/00430			attorney's docket number NREL 98-34CIP		
21. The following	-			CA	CULATIONS P	TO USE ONLY	
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			SUBTOTAL -	\$ 7	2.50		
Processing fee of \$1 months from the ear	Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).						
		TOTAL NAT	TIONAL FEE =	\$	-		
Fee for recording the accompanied by an	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +						
TOTAL FEES ENCLOSED =				\$ 7	2.50		
					ount to be refunded:	\$	
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a. A check in	the amount of \$	to cove	er the above fees is enclo	sed.			
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c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any							
overpayment to Deposit Account No. 14-1460 A duplicate copy of this sheet is enclosed. d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card							
information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been thet, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.							
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RE: International Patent Application of Midwest Research Institute)	
International A	application No.:	PCT/US01/00430)	
International F	iling Date:	5 January 2000) Atty Docke	et No. NREL PCT/98-34CIF
Entitled:	Direct Printing Using Metal-C	of Thin-Film Condu	octors)	

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Express Mail Mailing Label No. EJ200220846US

Date of Deposit 21March 2002

I hereby certify that the following attached items:

- (1) Application [Specification 12 pgs, Claims 2 pgs, Abstract 1 pg]
- (2) 4 sheets of Drawings comprising Figure 1-4
- (3) Transmittal Letter to the United States Designated Elected Office (DO/EO/US) Concerning a Filing Under 35 USC 371 [2 pgs]
- (4) Combined Declaration and Power of Attorney [2 pgs]
- (5) Postcard receipt

have been deposited in the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to: The Assistant Commissioner for Patents, Box Patent Application, Washington, DC. 20231.

National Renewable Energy Laboratory

Janice F Brown
Patent Administrator

1617 Cole Boulevard Golden, CO 80401 303/384-7576 303/384-4799 (fax)